

WHAT IS CLAIMED IS:

1. A stackable USB hub releasably mountable to other stackable components, said USB hub comprising:

5 a housing;

an upstream power port disposed on a first portion of said housing for mounting said stackable USB hub to an upstream stackable component and for receiving voltage and ground from said upstream stackable component; and

10 a downstream power port disposed on a second portion of said housing for mounting said stackable USB hub to a downstream stackable component and for providing voltage and ground to said downstream stackable component.

15 2. The invention defined in claim 1 wherein said upstream power port includes an upstream power port connector, a voltage conductor and ground conductor for receiving voltage and ground from said upstream component to supply the high current requirements of said USB hub in
20 high power applications.

25 3. The invention defined in claim 2 wherein said upstream power port connector includes a boss extending from said housing.

30 4. The invention defined in claim 3 wherein said boss is square shaped.

5. The invention defined in claim 2 wherein said upstream power port connector includes a recess disposed in said housing, a pair of flanges each extending over the recess, and a pair of oppositely disposed grooves, wherein
5 each of said grooves is defined between one of said flanges and said recess.

6. The invention defined in claim 1 wherein said downstream power port includes a downstream power port
10 connector, a voltage conductor and a ground conductor for passing voltage and ground to the downstream component connected to the downstream power port.

7. The invention defined in claim 6 wherein said
15 downstream power port connector includes a recess extending into said housing, said recess being shaped to receive an upstream power port disposed on said downstream component, wherein said upstream power port is similar to said upstream power port disposed on said stackable USB hub.

8. The invention defined in claim 6 wherein said
20 downstream power port connector includes a boss protruding from the housing and a pair of flanges, each of said flanges extending from the opposite side of the boss, and a
25 groove defined between each of said flanges and said housing.

9. A base unit releasably mountable to the housing of a stackable component, said base unit comprising:

a housing;

at least one outlet for distributing AC power to an electrical component connected thereto;

a downstream power port disposed on said housing for removably mounting said base unit to a downstream stackable component and for providing voltage and ground to the downstream stackable component; and

a bay disposed in said housing for receiving a surge suppressor module.

10. The invention defined in claim 9 wherein said downstream power port includes a downstream power port connector, a voltage conductor and a ground conductor for passing voltage and ground to the downstream component connected to the downstream power port.

11. The invention defined in claim 10 wherein said downstream power port connector includes a recess extending into said housing, said recess being shaped to receive an upstream power port disposed on said downstream component, wherein said upstream power port is similar to said upstream power port disposed on said stackable USB hub.

12. The invention defined in claim 10 wherein said downstream power port connector includes a boss protruding from the housing and a pair of flanges, each of said flanges extending from the opposite side of the boss, and a groove defined between each of said flanges and said housing.

13. A modular stackable USB hub system comprising:
a base unit having a housing and a downstream power
port disposed on said housing;

a stackable USB hub removably mountable to said base
unit downstream power port comprising:

a housing;

an upstream power port disposed on a first
portion of said stackable USB hub housing for releasably
mounting said stackable USB hub to said base unit
downstream power port and for receiving voltage and ground
from said base unit downstream power port; and

a downstream power port disposed on a second
portion of said stackable USB hub housing for releasably
mounting said stackable USB hub to a downstream stackable
component and for providing voltage and ground to said
downstream stackable component.

14. The invention defined in claim 13 wherein said
upstream power port includes an upstream power port
connector, a voltage conductor and ground conductor for
receiving voltage and ground from said base unit to supply
the high current requirements of said USB hub in high power
applications.

15. The invention defined in claim 14 wherein said
upstream power port connector includes a boss extending
from said stackable USB hub housing.

16. The invention defined in claim 14 wherein said
boss is square shaped.

17. The invention defined in claim 14 wherein said upstream power port connector includes a recess disposed in said housing, a pair of flanges each extending over the recess, and a pair of oppositely disposed grooves, wherein
5 each of said grooves is defined between one of said flanges and said recess.

18. The invention defined in claim 13 wherein said stackable USB hub downstream power port includes a
10 downstream power port connector, a voltage conductor and a ground conductor for passing voltage and ground to the downstream stackable component connected to the downstream power port.

19. The invention defined in claim 18 wherein said downstream power port connector includes a recess extending into said stackable USB hub housing, said recess being shaped to receive an upstream power port disposed on said downstream stackable component, wherein said upstream power
15 port is similar to said upstream power port disposed on said stackable USB hub.

20. The invention defined in claim 18 wherein said downstream power port connector includes a boss protruding from said stackable USB hub housing and a pair of flanges,
25 each of said flanges extending from the opposite side of said boss, and a groove defined between each of said flanges and said housing.